

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S3	2254	407/113,118,119.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/05/25 15:43
S4	597	407/107,109,111.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/06/22 18:07
S5	1223	82/1.11.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/05/24 15:47
S6	317	B23B027/18.ipc.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/05/24 15:47
S7	560	S3 and circ\$4	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/05/24 15:49
S8	40	penkert.in.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/05/24 15:49
S9	4	S8 and insert	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/05/24 15:49
S10	627	S3 and clamp\$4	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/05/24 15:52
S11	105	S3 and clamp\$4 and braz\$4	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/05/24 15:52

## EAST Search History

S12	29	("1700610"   "2713714"   "3369283"   "3399442"   "3654681"   "3688366"   "3754309"   "3762005"   "3911543"   "3934320"   "4195956"   "4201501"   "4555202"   "4561810"   "4588333"   "4778311").PN. OR ("4946319").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/05/24 15:57
S13	9	("20030170081"   "4626140"   "4844668"   "4946319"   "4969779"   "5205680"   "5342151"   "D437331"   "RE37595").PN. OR ("6796752").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/05/24 15:58
S14	12	("3395434"   "3733664"   "4844668").PN. OR ("5205680").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/05/24 16:02
S15	66	S11 and recess	US-PGPUB; USPAT; USOCR	OR	ON	2005/05/24 16:02
S16	9	("3548473"   "3660877"   "4117968"   "5366522").PN. OR ("6155755").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/05/24 16:10
S17	4	("3369283").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2005/05/24 16:11
S18	3	("3705447").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2005/05/24 16:12
S19	15	("0104055"   "0471674"   "1838520"   "2289344"   "2381485"   "3557417").PN. OR ("3705447").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/05/24 16:12
S20	4	("4201501").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2005/05/24 16:13
S21	2	("4632606").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2005/05/24 16:13
S22	2	("5733073").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2005/05/24 16:13

## EAST Search History

S23	8	("3431801"   "4414870"   "4552491"   "5100269").PN. OR ("5733073").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/05/24 16:17
S24	2	"4244316"	US-PGPUB; USPAT; USOCR	OR	ON	2005/05/24 16:18
S25	0	("2002/0131832").URPN.	USPAT	OR	ON	2005/05/24 16:31
S26	2	("4946319").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2005/05/24 16:31
S27	29	("1700610"   "2713714"   "3369283"   "3399442"   "3654681"   "3688366"   "3754309"   "3762005"   "3911543"   "3934320"   "4195956"   "4201501"   "4555202"   "4561810"   "4588333"   "4778311").PN. OR ("4946319").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/05/24 16:47
S33	0	S2 and degree	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/05/24 16:59
S34	3	("3705447").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2005/05/24 16:59
S35	0	S34 and braz\$4	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/05/24 17:32
S36	1	S26 and braz\$4	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/05/24 17:53
S37	4	"5733073" and shape	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/05/24 18:00
S38	2	("4632606").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2005/05/24 18:26

## EAST Search History

S39	2	("5733073").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2005/05/24 21:36
S40	3	("3079206").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2005/05/24 18:04
S41	3	("3705447").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2005/05/24 19:07
S42	2	("20020131832").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2005/05/24 19:43
S43	1	S42 and carbide	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/05/24 19:26
S45	2	("4854784").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2005/05/24 19:14
S46	19	("3868750"   "4201501"   "4561810"   "4714385").PN. OR ("4854784").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/05/24 19:14
S47	4	("4201501").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2005/05/24 19:26
S49	1	S47 and ceramic	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/05/24 19:27
S50	2	("4632606").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2005/05/24 21:37

## EAST Search History

S51	2	("0552714").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2005/05/24 21:37
S52	2	("0552714").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2005/05/24 21:38
S53	3	("4244316").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2005/05/24 21:38
S54	2	("20020131832").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2005/05/25 10:43
S55	597	407/107,109,111.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/05/25 10:52
S56	5	S55 and insert and (truncated adj cone)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/05/25 10:52
S57	6	("4111587"   "4456408"   "4552491"   "4893967").PN. OR ("5139371").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/05/25 10:54
S58	24	("1838520"   "2289344"   "2381485"   "2630725"   "3464098"   "3731356"   "3871092"   "4181049").PN. OR ("4552491").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/05/25 11:16
S59	2	("4552491").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2005/05/25 11:19
S60	2	("5346336").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2005/05/25 11:19

## EAST Search History

S61	2	("6099209").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2005/05/25 12:13
S62	2	("6161990").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2005/05/25 12:14
S64	2	("5628590").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2005/05/25 12:16
S65	0	("s4andceramicsame(cementedadjcarbide)").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2005/05/25 12:17
S66	12	S55 and ceramic same (cemented adj carbide)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/05/26 08:19
S67	12716	CBN	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/05/25 14:57
S68	1335	CBN and insert	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/05/25 14:58
S69	2254	407/113,118,119.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/05/25 15:43
S70	22	S69 and truncated adj cone	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/05/25 16:25
S71	115	S69 and ceramic same (cemented adj carbide)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/05/25 17:49

## EAST Search History

S72	4533	428/698,472,51,307,309.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/05/25 16:27
S73	127	S72 and ceramic same (cemented adj carbide)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/05/25 16:32
S74	2	S72 and (ceramic adj tip) same (cemented adj carbide)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/05/25 17:51
S75	3	("6607782").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2005/05/25 16:40
S76	2	("4632606").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2005/05/25 16:40
S77	1	S76 and ceramic	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/05/25 16:41
S78	0	S76 and ceramic and cemented	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/05/25 16:41
S79	1	S76 and ceramic	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/05/25 16:41
S80	0	(2002/0131832).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2005/05/25 17:49
S81	2	("20020131832").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2005/05/25 17:49

## EAST Search History

S82	2	S72 and (ceramic adj tip) same (cemented adj carbide) and hard	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/05/25 17:51
S83	226	S72 and insert same (cemented adj carbide)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/05/25 17:51
S84	2	("4552491").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2005/05/26 08:19
S85	0	S84 and cone	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/05/26 08:20
S86	2	("4632606").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2005/05/26 09:10
S87	2	("4632606").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2005/05/27 14:21
S88	597	407/107,109,111.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/05/29 18:48
S89	110	S88 and recess\$4 and copyturning or (copy adj turning)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/05/31 09:40
S90	2	("4632606").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2005/05/31 09:41
S91	1	S90 and clamp\$4	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/05/31 09:41



## EAST Search History

S92	1	S90 and clamp\$4 and "14"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/05/31 09:44
S93	2	("20020131832").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2005/05/31 09:45
S94	1	S93 and clamp\$4 and screw	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/05/31 09:57
S95	2	("5921721").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2005/05/31 09:57
S96	0	S95 and alum\$4	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/05/31 09:57
S97	0	S95 and metal	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/05/31 09:57
S98	1	S95 and copy	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/05/31 10:02
S99	2	("6217263").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2005/05/31 10:02
S10 0	2	S99 and metal	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/05/31 10:02
S10 1	601	407/107,109,111.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/11/25 11:51

## EAST Search History

S10 2	0	S101 and insert and body near (cemented adj carbide)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/11/25 11:34
S10 3	4	S101 and insert and body with (cemented adj carbide)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/11/25 11:37
S10 4	0	S103 and cermaic	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/11/25 11:35
S10 5	2301	407/113,118,119.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/11/25 11:37
S10 6	137	S105 and insert and body with (cemented adj carbide)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/11/25 11:46
S10 7	54	S106 and ceramic	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/11/25 11:46
S10 8	0	("2004/0265074").URPN.	USPAT	OR	ON	2005/11/25 11:39
S10 9	155	S105 and insert and (body or base) with (cemented adj carbide)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/11/25 11:46
S11 0	67	S109 and ceramic	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/11/25 11:46
S11 1	196	"407"/\$.ccls. and ceramic adj material	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/11/25 12:17

## EAST Search History

S11 2	6	"407"/\$.ccls. and ceramic adj material with (CBN)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/11/25 12:18
S11 3	690	(cemented adj carbide) near body	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/05/15 15:03
S11 4	8	(Cut\$4 adj body) near ceramic	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/05/15 15:02
S11 5	1	S113 and S114	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/05/15 15:02
S11 6	171	S113 and ceramic	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/05/15 15:03
S11 7	59	S113 same ceramic	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/05/15 15:03
S11 8	45	S117 and insert	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/05/15 15:03
S11 9	14	S117 and "407"/\$.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/05/15 15:40
S12 0	229	brazing with (high adj heat)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/05/15 15:41
S12 1	2	S120 and "407"/\$.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/05/15 15:40

## EAST Search History

S12 2	8	brazing with (withstand and high adj heat)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/05/15 15:41
S12 3	8	brazing with (withstand and (high adj heat))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/05/15 15:42
S12 4	33	(US-20040228694-\$ or US-20040258491-\$ or US-20020131832-\$).did. or (US-5333520-\$ or US-6217263-\$ or US-5846032-\$ or US-4714385-\$ or US-5346336-\$ or US-5476025-\$ or US-5584045-\$ or US-4854784-\$ or US-5139371-\$ or US-6155755-\$ or US-5798566-\$ or US-4632606-\$ or US-6161990-\$ or US-6379087-\$ or US-4681485-\$ or US-5137398-\$ or US-4201501-\$ or US-4552491-\$ or US-6607782-\$ or US-4946319-\$ or US-6796752-\$ or US-5104747-\$ or US-5205680-\$ or US-5921721-\$ or US-4702649-\$ or US-5628590-\$).did. or (US-3705447-\$ or US-5100269-\$ or US-5733073-\$).did. or (US-1901654-\$).did.	US-PGPUB; USPAT; USOCR	OR	ON	2006/11/29 17:40
S12 5	23	S124 and (diameter or radius)	US-PGPUB; USPAT; USOCR	OR	ON	2006/11/30 08:16
S12 6	610	407/107,109,111.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/11/30 08:16
S12 7	156	S126 and (diameter or radius)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/11/30 08:17
S12 8	46	S126 and insert WITH (diameter or radius)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/11/30 08:22
S12 9	2	("6969218").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/11/30 08:22

## EAST Search History

S13 0	1	2002-708304.NRAN.	DERWENT	OR	ON	2006/11/30 08:22
S13 1	6	("6508614").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/11/30 09:16
S13 2	28	("3521526"   "4180946"   "4533858"   "4538081"   "4795927"   "4956945"   "5024025"   "5027280"   "5093754"   "5133158"   "5187434"   "5345127"   "5387061"   "5523701"   "5562528"   "5623857"   "5739609"   "5772564"   "6140931"   "6208051"   "6288465"   "6380652").PN. OR ("6508614").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/11/30 09:17
S13 3	2	("5783887").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/11/30 10:16
S13 4	2	("4532270").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/11/30 10:16
S13 5	2	S126 and adhesive	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/11/30 10:27
S13 6	330	B23B027/18.ipc.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/11/30 10:27
S13 7	12	S136 and adhesive	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/11/30 10:28
S13 8	2382	407/113,118,119.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/11/30 10:29
S13 9	0	S138 and adhesive and dimethacrylate	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/11/30 10:29

## EAST Search History

S14 0	1	S138 and adhesive and ester	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/11/30 10:29
S14 1	0	S126 and adhesive and ester	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/11/30 10:29
S14 2	0	S126 and adhesive and dimethacrylate	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/11/30 10:29
S14 3	3	("6715968").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/11/30 16:23
S14 4	2	("5712030").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/11/30 16:35
S14 5	2	("20040258491").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/11/30 16:35
S14 6	620	407/107,109,111.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/06/22 18:07
S14 7	13	("2966968"   "4264245"   "4283163"   "4533283"   "4876932"   "5443334"   "6126366"   "6244789").PN. OR ("6481936").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/06/22 18:13
S14 8	5	("4001925"   "4309132"   "5921719"   "6116823"   "6481936").PN. OR ("7189031").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/06/22 18:17